



The most advanced searchlight available for law enforcement, search & rescue, firefighting and military applications.



Trakkabeam® searchlights deliver the benefits of the latest generation in searchlight technology: innovative, multi-mission capable, light-weight, compact and cost-effective.

SUPERIOR BEAM PROFILE

Trakkabeam's unique optical design* utilizes a Xenon lamp half the size of traditional searchlights to deliver a more intense and consistent beam on the target - where you need it.

The precision design of the optical elements in relation to the arc source is responsible for the effective collimation and reduction of stray light. This eliminates the black hole seen at the center of vision of conventional searchlights and provides an even beam with energy at the edges to avoid lost targets.

UNIQUE INTERNAL FILTER WHEEL

Trakkabeam® includes the industry's only integrated, multi-filter solution. Up to six different filters can be activated at the touch of a button via remote control conveniently located inside a vehicle, the bridge of a ship, or command /control center.

Filters can range from extremely covert IR to ultra-violet. Others can reduce the glare from fog or white sand, or can enhance natural color in the target field.

The internal design of the filter wheel* expands mission capabilities, reduces bulk and weight, and also reduces costly maintenance.

MORE EFFICIENT & COST EFFECTIVE

Trakkabeam® offers the highest MTBF (mean time between failures) in the industry. This, together with the standard two-year warranty, makes it the most cost-effective advanced searchlight package available.

* PATENT-PENDING

www.trakkacorp.com

This information is provided for reference only. Specifications are subject to change without notice.

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Trakkabeam® - M500



Trakkabeam® M500 is ideal for the military, law enforcement, and security industries. For maritime and severe duty, the M500M combines the superior performance of the standard M500 in a ruggedized platform with special coatings to improve long term survivability and reduce periodic maintenance.

COMPACT & LIGHTWEIGHT

The Trakkabeam® M500 has been designed for the most demanding applications. Whether your needs are for land or sea, Trakkabeam's advanced design delivers superior searchlight performance while reducing system weight and envelope size.

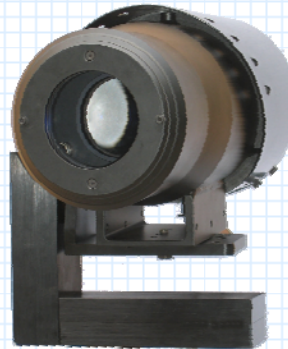
Trakkabeam® M500 searchlights offer a range of options to suit specific needs. These options include manual and electronic turrets, custom designed spectral filters, and more.





Trakkabeam® advanced Searchlight solutions:

Trakkabeam® M500



- ⊕ fixed-site and mobile, vehicle applications
- ⊕ lightweight, versatile portable mounting systems available
- ⊕ fixed or motorized mounting platforms available
- ⊕ lightweight, efficient and cost effective
- ⊕ low maintenance costs
- ⊕ available in a ruggedized platform for severe duty applications
- ⊕ software controllable via an RS-232 bus

All Trakkabeam® searchlights are available with the advanced one-touch internal filter system to suit varying mission requirements.

Trakka Corp proudly backs the M500 searchlight system with a limited two year factory warranty.

For more information, please visit www.trakkacorp.com or contact us for your nearest international Trakkabeam® distributor.

| PERFORMANCE SPECIFICATIONS | |
|--|--|
| Watts | 500 |
| Lumens total | 10,000 |
| Beam angle (focus) | 2.9° - 9° |
| Peak Illuminance @ 1km | 10 lux (.9 ft-cd) |
| Diameter at 3300 ft (1 km) | 181 ft (55 m), 40% of peak illuminance |
| Recycle time | Not required |
| MECHANICAL SPECIFICATIONS | |
| SEARCHLIGHT | |
| Size | Diameter: 7.87 in. (200 mm) Length: 21.0 in. (534 mm) |
| Weight | 14.0 lbs. (6.35 kg) |
| GIMBAL / MOUNT | |
| Optional configurations available (Optional mount shown) | |
| Power Supply (Wiring Junction) | |
| Size | 3.93 x 9.06 x 13.78 in. (100 x 230 x 350 mm) |
| Weight | 8 lbs. 13 oz. (4.0 kg) |
| Total system weight | 24 lbs (16.0 kg) |

| ELECTRICAL SPECIFICATIONS | |
|------------------------------|--|
| Power supply options: | |
| Input voltage range (DC) | 12V = 10.5 - 14.5 VDC 24V = 21.0 - 29 VDC |
| Input voltage range (AC) | 100 - 250Volts (50 or 60 hz) |
| Input current (DC) | 12V = 45 - 50 amps nominal 24V = 22 - 25 amps nominal |
| Input current (AC) | 110V = 6 - 8 amps nominal 240V = 3 - 4 amps nominal |

| OPTIONS | |
|--|--|
| Internal filter wheel with up to 6 filters | |
| Manual or electronic turret | |
| Storage and Carrying case | |

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|---|---------------------------------------|--|
| <p>In the U.S. contact: Shawn Mitschelen - VP Marketing & Sales PMB 297 5901-J Wyoming Blvd. NE Albuquerque, New Mexico 87109 Cell: (505) 850-6648 Email: shawnm@trakkacorp.com</p> | <p>Your local Distributor:</p> | |
| <p>Trakkabeam® searchlights are designed and manufactured by Trakka Corp Pty Ltd. Trakka Corp's founders have been at the forefront of the design and development of power photonics, imaging systems and high voltage power supplies, since the early 1980's.</p> <p>Today's products are the culmination of many years of intensive research into all aspects of searchlight technology.</p> <p>Trakka Corp committed to the ongoing development and delivery of innovative products that set new standards in illumination technology.</p> | | |